

ABSTRACT OF THE DISCLOSURE

The invention provides an electronic wrench which
5 includes means for measuring the instantaneous applied torque
and means for measuring the instantaneous angle of rotation
during tightening. The physical parameters of the screw
connection for tightening and a setpoint value for the
tightening are initially entered into the wrench via a keypad.
10 During the tightening operation, the processor means calculate
the instantaneous traction force on the screw fastener as a
function of the measured instantaneous values of torque and
angle and as a function of the recorded characteristics of the
screw fastener.

15